

WHAT IS CLAIMED IS:

Sub B-1
1. A parking toll system comprising a on-street parking toll arrangement and a parking lot toll arrangement wherein parking management is achieved through a mobile phone or a wired phone and the parking toll is included in user's phone bill.

2. A parking toll system having a controller, the system comprising a on-street parking toll arrangement and a parking lot toll arrangement wherein SMS (Short Messaging Services), WAP (Wireless Application Protocol), GPRS (General Packet Radio Services), MLS (Mobile Location Services), and wired phone provided by telephone company are employed by the controller for transmitting and receiving data.

3. The parking toll system of claim 1, wherein the on-street parking toll arrangement comprising:
a host having a personal computer (PC) located in a parking management office including a first mobile phone connected to a mobile phone communication box through RS-232 cable; and
a plurality of parking meters each located adjacent to a corresponding parking space including a microprocessor, an infrared detector, a display, a keypad, and a second mobile phone.

4. The parking toll system of claim 2, wherein the on-street parking toll arrangement comprising:

a host having a personal computer (PC) located in a parking management office including a first mobile phone connected to a mobile phone communication

box through RS-232 cable; and

a plurality of parking meters each located adjacent to a corresponding parking space including a microprocessor, an infrared detector, a display, a keypad, and a second mobile phone.

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5. The parking toll system of claim 1, wherein the parking lot toll arrangement comprising:

a host having a PC including one of a first mobile phone and a dedicated phone line for internet connection, a low carrier frequency device, and a first digital coder/decoder (CODEC) connected to a mobile phone communication box through RS-232 cable;

an entrance monitor located at the entrance of the parking lot being connected to the host through the RS-232 cable including a first card reader, a first display, a first microprocessor and a voicer;

an exit monitor located at the exit of the parking lot being connected to the host through the RS-232 cable including a second card reader, a second microprocessor, a printer, and a second display;

a parking meter including a third microprocessor, a third display, an infrared detector, a second low carrier frequency device, and a second digital CODEC.

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6. The parking toll system of claim 2, wherein the parking lot toll arrangement comprising:

a host having a PC including one of a first mobile phone and a dedicated phone line for internet connection, a low carrier frequency device, and a first digital coder/decoder (CODEC) connected to a mobile phone communication box through RS-232 cable;

an entrance monitor located at the entrance of the parking lot being

connected to the host through the RS-232 cable including a first card reader, a first display, a first microprocessor and a voicer;

an exit monitor located at the exit of the parking lot being connected to the host through the RS-232 cable including a second card reader, a second microprocessor, a printer, and a second display;

a parking meter including a third microprocessor, a third display, an infrared detector, a second low carrier frequency device, and a second digital CODEC.

7. The parking toll system of claim 1, wherein the on-street parking toll arrangement allows user to input a parking space number through the mobile phone to activate the system.

8. The parking toll system of claim 2, wherein the on-street parking toll arrangement allows user to input a parking space number through the mobile phone to activate the system.

9. The parking toll system of claim 1, wherein the on-street parking toll arrangement allows user to input a mobile phone number through the keypad of the parking meter to activate the system after validated by telephone company.

10. The parking toll system of claim 2, wherein the on-street parking toll arrangement allows user to input a mobile phone number through the keypad of the parking meter to activate the system after validated by telephone company.